CONTRA COSTA COLLEGE

C-4016, INCREMENT 3, DEMO AND ABATEMENT OF PHYSICAL SCIENCE AND BIOLOGICAL SCIENCE BUILDINGS AND OTHER STRUCTURES

CONTRA COSTA COLLEGE

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LICENSED ARCHITECT
CHUN - KEI J. WONG
C-28027
03-31-2023
RENEWAL DATE
STATE OF CALIFORNIA

BID SET

INCREMENT 3

ISSUE DATE:
05 NOVEMBER 2021

CCCCD PROJECT # C-4016

SG PROJECT # 10418.000

Plot Date: 11/3/2021 10:03:00 AM

ABBREVIATIONS

A

AB	ANCHOR BOLT
ACT	ACOUSTICAL CEILING TILE
ACP	ACOUSTICAL CEILING PANEL
ACS PNL	ACCESS PANEL
AD	AREA DRAIN
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AFS	ABOVE FINISH SLAB
AGGR	AGGREGATE
ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AVG	AVERAGE

B

BB	BULLETIN BOARD
BD	BOARD
BTWN	BETWEEN
BITUM	BITUMINOUS
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BOS	BOTTOM OF STEEL
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT UP ROOFING SYSTEM

C

CAB	CABINET
CB	CATCH BASIN
CCR	CARD CONTROL READER
CCT	CUBICLE CURTAIN TRACK
CCTV	CLOSED CIRCUIT TELEVISION
CG	CORNER GUARD
CEM	CEMENT, CEMENTITIOUS
CER	CERAMIC
CH BD	CHALKBOARD
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT.	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRUGATED
CPT	CARPET
CSK	COUNTERSUNK
CSP	COMBINATION STANDPIPE
CSWK	CASEWORK
CT	CERAMIC TILE
CU	CUBIC
CW	COLD WATER

D

D	DEPTH
DBL	DOUBLE
DBL ACT	DOUBLE ACTING
DEG	DEGREE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DISP	DISPENSER
DIST	DISTANCE
DN	DOWN
DR	DRAIN
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DT	DRAPERY TRACK
DWG	DRAWING
DWGS	DRAWINGS

E

(E)	EXISTING
EA	EACH
EDR	EQUIPMENT DRAWING
EG	EDGE GUARD
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPB	ELECTRICAL PANEL BOARD
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESCAL	ESCALATOR
EST	ESTIMATE(D)
EWC	ELECTRIC WATER COOLER
EXC.	EXCAVATED
EXH	EXHAUST
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR

F

F/F	FACE TO FACE
FA	FIRE ALARM
FAS	FIRE ALARM STATION
FB	FLAT BAR
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER (FR STANDS FOR FIRE RATED)
FF	FINISH FACE
FHC	FIRE HOSE CABINET
FH/FEC	FIRE HOSE / FIRE EXTINGUISHER CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FHY	FIRE HYDRANT
FLAM	FLAMMABLE
FLASH	FLASHING
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FO	FACE OF
FSB	FOLDING SHOWER BENCH
FSTNR	FASTENER
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
FXTR	FIXTURE

G

G	GAS
GA	GAUGE, GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLU LAM	GLUE LAMINATED
GLZ	GLAZING
S.STL.	S.STL.
GR	GRADE OR GRADING
GVL	GRAVEL
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER

H

H	HIGH
HB	HOSE BIBB
HC	HOLLOW CORE
HD	HEAD
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HVAC	HEATING-VENTILATION-AIR CONDITIONING
HW	HOT WATER

I

ID	INSIDE DIAMETER
IN	INCH
INCAND	INCANDESCENT
INCL	INCLUDE, INCLUDING
INFO	INFORMATION
INSUL	INSULATION
INTR	INTERIOR
INV	INVERT
IVT	INTRAVENOUS TRACK

J

JAN	JANITOR
JST	JOIST
JT	JOINT

K

KG	KILOGRAM
KIT	KITCHEN
KPL	KICK PLATE
KS	KNEE SPACE

L

L	LENGTH, LONG, ANGLE
LAB	LABORATORY
LAM	LAMINATE, LAMINATION
LAV	LAVATORY
LB	POUND
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT
LG	LENGTH
LIN	LINEAR
LL	LEAD LINED
LPT	LOW POINT
LT	LIGHT
LT WT	LIGHT WEIGHT
LTG	LIGHTING
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE

M

M	METERS
MACH	MACHINE
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MEDICINE CABINET
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING
MM	MILLIMETERS
MO	MASONRY OPENING
MOD	MODULE, MODULAR
MTD	MOUNTED
MTG	MOUNTING
MVBL	MOVABLE
MULL	MULLION

N

(N)	NEW
NA	NOT APPLICABLE
NAT	NATURAL
NE	NORTHEAST
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NRC	NOICE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
NW	NORTHWEST

O

OC	ON CENTER
OA	OVERALL
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED-OWNER INSTALLED
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OVHD	OVERHEAD
OZ	OUNCE

P

PA	PUBLIC ADDRESS
PART	PARTIAL
PBD	PARTICLEBOARD
PBX	PRIVATE TELEPHONE EXCHANGE
PCF	POUNDS PER CUBIC FOOT
PCI	POUNDS PER CUBIC INCH
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PI	POINT OF INTERSECTION
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PNL BD	PANEL BOARD
PNT	PAINT
PORT	PORTABLE
PP	PUSH PLATE
PPM	PARTS PER MILLION
PR	PAIR
PRCST	PRECAST
PREP	PREPARATION
PREFAB	PREFABRICATION
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER

Q

QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY

R

R	RISER
RA	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RD	ROOF DRAIN
RECT	RECTANGULAR
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE (D) (ING) (MENT)
REQD	REQUIRED
REQT	REQUIREMENT
RESIL	RESILIENT
RET	RETURN
REV	REVISION
RF	RESILIENT FLOORING
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHWS	ROUND HEAD WOOD SCREW
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWL	RAIN WATER LEADER

S

S	SOUTH
SA	SUPPLY AIR
SB	SPLASH BLOCK
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SCRN	SCREEN
SD	STORM DRAIN
SE	SOUTHEAST
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SEG	SEGMENT
SEP	SEPARATION OR SEPARATE
SEP JT	SEPARATION JOINT
SFAD	SEE FIRE ALARM DRAWINGS
SFPD	SEE FIRE PROTECTION DRAWINGS
SHT	SHEET, SHEETING
SHWR	SHOWER
SHV	SHELVES, SHELVING
SIM	SIMILAR
SK	SINK
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SMS	SHEET METAL SCREW
SP	SPACE, SPACED, SPACING
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SS	SANITARY SEWER
SSD	SEE STRUCTURAL DRAWINGS
SSK	SERVICE SINK
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STS	SELF-TAPPING STEEL
SUSP	SUSPENDED
SUSP CLG	SUSPENDED CEILING
SVCE	SERVICE
SW	SOUTHWEST
SYMM	SYMMETRICAL
SYST	SYSTEM

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP OF CONCRETE, TOP OF CURB
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
THERM	THERMAL
THK	THICK, THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TMPD GL	TEMPERED GLASS
TO	TOP OF
TOR	TOP OF RAILING
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL

U

UC	UNDER COUNTER
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
UTIL	UTILITY

V

VAC	VACUUM
VB	VALVE BOX
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIT	VITREOUS
VP	VENT PIPE
VOL	VOLUME
VWC	VINYL WALL COVERING

W

W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET OR WALL COVERING
WD	WOOD
WDW	WINDOW
WGL	WIRE GLASS
WCHR	WHEELCHAIR
WM	WIRE MESH
WO	WHERE OCCURS
W/O	WITHOUT
WPT	WORKING POINT
WR	WATER RESISTANT
WSCT	WAINSCOT
WSP	WET STANDPIPE
WT	WEIGHT
WTHPRF	WEATHERPROOF
WTRPRF	WATERPROOF
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

X

XFMR	TRANSFORMER

Y

YD	YARD

CODES / STANDARDS

APPLICABLE CODES/CRITERIA/DESIGN POLICY:

AUTHORITY HAVING JURISDICTION:
DIVISION OF THE STATE ARCHITECT (DSA)

CALIFORNIA BUILDING CODES

CODE
2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2015 INTERNATIONAL BUILDING CODE, VOL. 1&2, AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2015 INTERNATIONAL EXISTING BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2013 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

STANDARD
2016 NFPA 13 STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
2013 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
2013 NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS
2013 NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS
2016 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2013 NFPA 22 STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION
2016 NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2013 NFPA 25 INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (WITH CALIFORNIA AMENDMENTS)
2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)
2016 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES
2015 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
2005 UL 300 STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT
2003 UL 464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES
1999 UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
2002 UL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED
2012 ICC 300 STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS

PROJECT DESCRIPTION

THIS WORK IS INCREMENT 3 WHICH INCLUDES THE ABATEMENT AND REMOVAL OF PHYSICAL SCIENCE AND BIOLOGY BUILDINGS AND ASSOCIATED ITEMS, AND OTHER SITE IMPROVEMENTS AS INDICATED IN THIS DOCUMENTS.

THERE ARE NO NEW STRUCTURES TO BE PART OF THIS WORK.

BID ALTERNATIVES ARE DESCRIBED ON THE SITE DEMOLITION PLAN IN THIS PACKAGE

FLOOD HAZARDS

PER GEOLOGIC AND SEISMIC HAZARDS ASSESSMENT REPORT DATED OCTOBER 20, 2017 PROVIDED BY KLEINFELDER, PAGE 12 AND 13 DESCRIBES THE SITE LIES OUTSIDE OF A 100-YEAR FLOOD HAZARD AREA.

INCREMENTS / SCOPE OF WORK

PHASE 4 - INCREMENT 3

DEMOLITION OF THE PHYSICAL SCIENCES BUILDING AND THE BIOLOGICAL SCIENCES BUILDING. REMOVAL OF ALL MAJOR SITE FEATURES AND REMOVAL OF PAVINGS AS NOTED.

DEFERRED SUBMITTAL ITEMS

1. **NONE**

SHEET INDEX

PROJECT GENERAL NOTES

FOLLOWING PROJECT GENERAL NOTES APPLY TO THE ENTIRE DRAWING SET AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE, UNLESS OTHERWISE NOTED:

A. THE CONSTRUCTION DOCUMENTS (DRAWING SET AND SPECIFICATIONS) ARE COMPLEMENTARY AND ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

B. DRAWING SET, WHEN COMPLETE, CONSISTS OF ALL SHEETS LISTED BY THE SHEET INDEX. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL DRAWING SETS ARE INCOMPLETE. DO NOT DISTRIBUTE OR UTILIZE PARTIAL DRAWINGS SETS. CONTRACTOR SHALL COORDINATE THE WORK OF ALL DISCIPLINES AND TRADES.

C. DISCIPLINE GENERAL NOTES, SYMBOLS AND DEFINITIONS APPLICABLE TO EACH DISCIPLINE'S DRAWINGS MAY BE FOUND AT THE FRONT OF EACH DISCIPLINE'S PORTION OF THE DRAWING SET AND ARE LISTED AS PART OF THE OVERALL PROJECT SHEET INDEX.

D. THE DRAWINGS MAY MAKE REFERENCE TO AND/OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE CONTRACT. THESE 'NOT IN CONTRACT' ITEMS AS INDICATED ARE REFERENCED AND/OR ILLUSTRATED FOR THE CONTRACTOR'S REFERENCE, INFORMATION AND COORDINATION ONLY.

E. EXISTING CONDITIONS, IF SHOWN, ARE FROM AVAILABLE RECORD DRAWINGS AND OR VISUAL FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID, AND NOTIFY THE COLLEGE OF ANY DISCREPANCIES.

F. TAKE PRECAUTIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND ELEMENTS, IF ANY, WHICH ARE TO REMAIN. ANY DAMAGE TO SUCH SYSTEMS AND ELEMENTS SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE ARCHITECT AND COLLEGE. IF SATISFACTORY REPAIRS CANNOT BE MADE, REPLACE SYSTEMS AND ELEMENTS WITH "LIKE NEW" QUALITY ACCEPTABLE TO THE ARCHITECT AND COLLEGE. ALL REPAIRS AND REPLACEMENT COST SHALL BE THE FINANCIAL RESPONSIBILITY OF THE RESPONSIBLE PARTY.

G. ALL PARTS OF THE WORK, INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC., MUST COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODES AND REGULATIONS OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT, AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING CODE OR REGULATION

H. IDENTIFY AND NOTIFY THE ARCHITECT/ENGINEER OF CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT/ENGINEER AND OWNER.

I. REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT BEFORE COMMENCING CONSTRUCTION, AND ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.

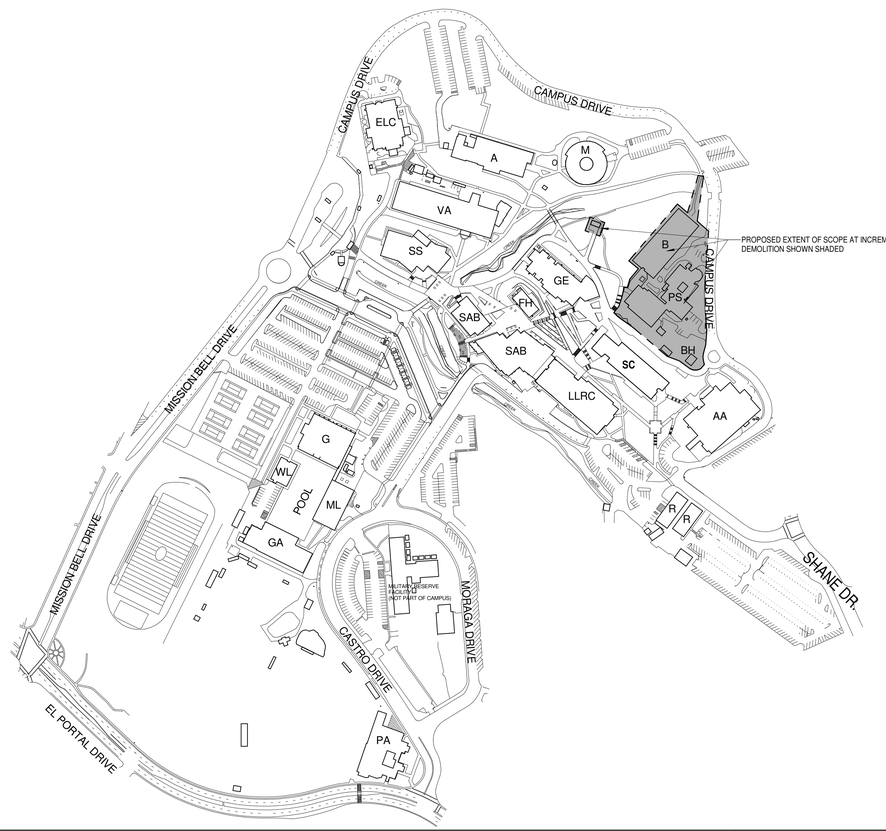
J. ALL WORK SHALL CONFORM TO THE 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

K. VERIFY AND CONFIRM ALL EXISTING UTILITY RUNS PRIOR TO ANY DEMOLITION; TAKE PRECAUTIONS TO MAINTAIN SERVICES TO OTHER EXISTING BUILDING OUTSIDE OF THE SCOPE OF DEMOLITION WORK WITHOUT ANY OPERATIONAL INTERRUPTIONS.

L. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK AND SHALL NOTIFY THE COLLEGE OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

M. MAINTAIN THE PEDESTRIAN ACCESS AT ALL WALKWAYS OUTSIDE OF THE SCOPE OF DEMOLITION WORK AT ALL TIMES. COORDINATE WITH COLLEGE FOR VEHICULAR ACCESS AS REQUIRED.

CAMPUS SITE PLAN



AGENCY APPROVALS

CONTRA COSTA COLLEGE

Inc. 3, Demo and Abatement of Physical Science and Biological Science Building and other Structures

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BKF Engineers
CIVIL ENGINEER
1646 N. California Blvd. #400
Walnut Creek, CA 94596
(925) 940-2200

ISSUED FOR	REV	DATE
BID SET		05 NOV 2021
100% CONSTRUCTION DOCUMENTS		08 OCT 2021
ISSUED FOR DISTRICT REVIEW		29 MAR 2018

SEALS AND SIGNATURES

LICENSED ARCHITECT CHUN - KEI J. WONG C 28027 REGISTERED 03-31-2023 RENEWAL DATE STATE OF CALIFORNIA

SHEET TITLE
ABBREVIATIONS, PROJECT INFORMATION & SHEET INDEX

10418.000
PROJECT NUMBER

INC-3 **AD1.1**
SHEET NUMBER

Plot Date: 11/3/2021 10:02:48 AM

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
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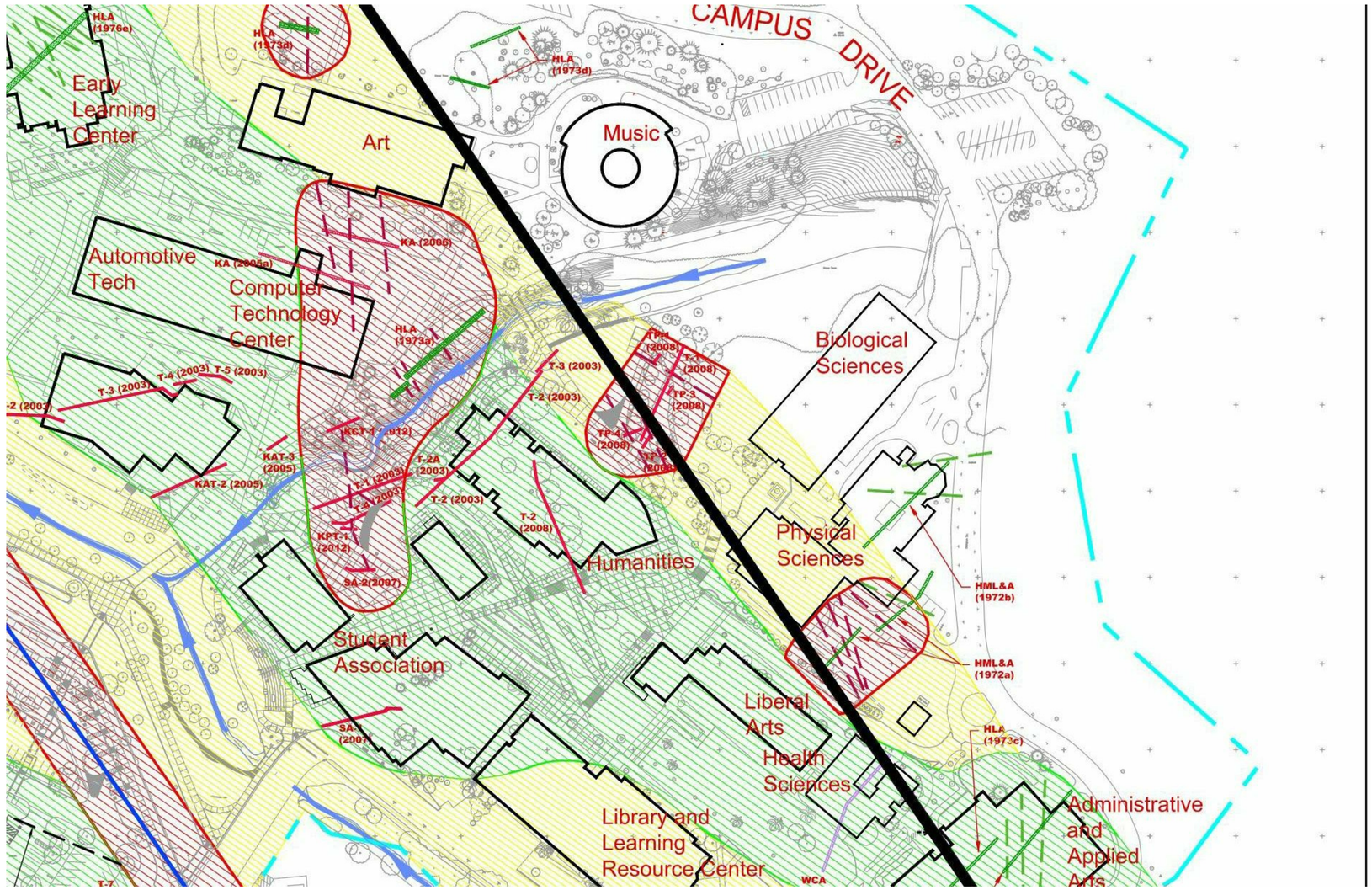

CAMPUS BOUNDARY

AP ZONE BOUNDARY - by California Geological Survey (CGS)

APPROXIMATE CREEK LOCATION

CONE PENETROMETER TEST (CPT) (BY KLEINFELDER, 2012)

BORING (BY WILLIAM LETTIS & ASSOCIATES, 2003)

B-3 BORING (BY KLEINFELDER, JULY 2008)

MAPPED FAULT LOCATION - accurately located (by CGS, 2000)

FAULT LOCATION -approximately located (by CGS, 2000)

FAULT LOCATION - location inferred (by CGS, 2000)

APPROXIMATE INACTIVE FAULT LOCATION

APPROXIMATE POTENTIALLY ACTIVE FAULT LOCATION

CONCEALED FAULTS (PRE-MID HOLOCENE)

APPROXIMATE FAULT TRENCH LOCATION (report date in parentheses):

HARDING-LAWSON ASSOCIATES (HLA) or (HML&A)

HERZOG ASSOCIATES (HA)

WILLIAM LETTIS & ASSOCIATES (WLA)

WOODWARD-CLYDE & ASSOCIATES (WCA)

KLEINFELDER, INC. (KA)

BUILDING EXCLUSION AND SETBACK ZONES

AREAS NOT CLEARED OF SECONDARY FAULT TRACES (further investigation required)

HABITABLE STRUCTURE ZONE

N

1 HABITABLE ZONE BOUNDARY MAP - PROVIDED FOR REFERNCE ONLY
SCALE: NOT TO SCALE

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
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LICENSED ARCHITECT QHUN KEI J. WONG C 28027 03-31-2023 RENEWAL DATE STATE OF CALIFORNIA

SHEET TITLE

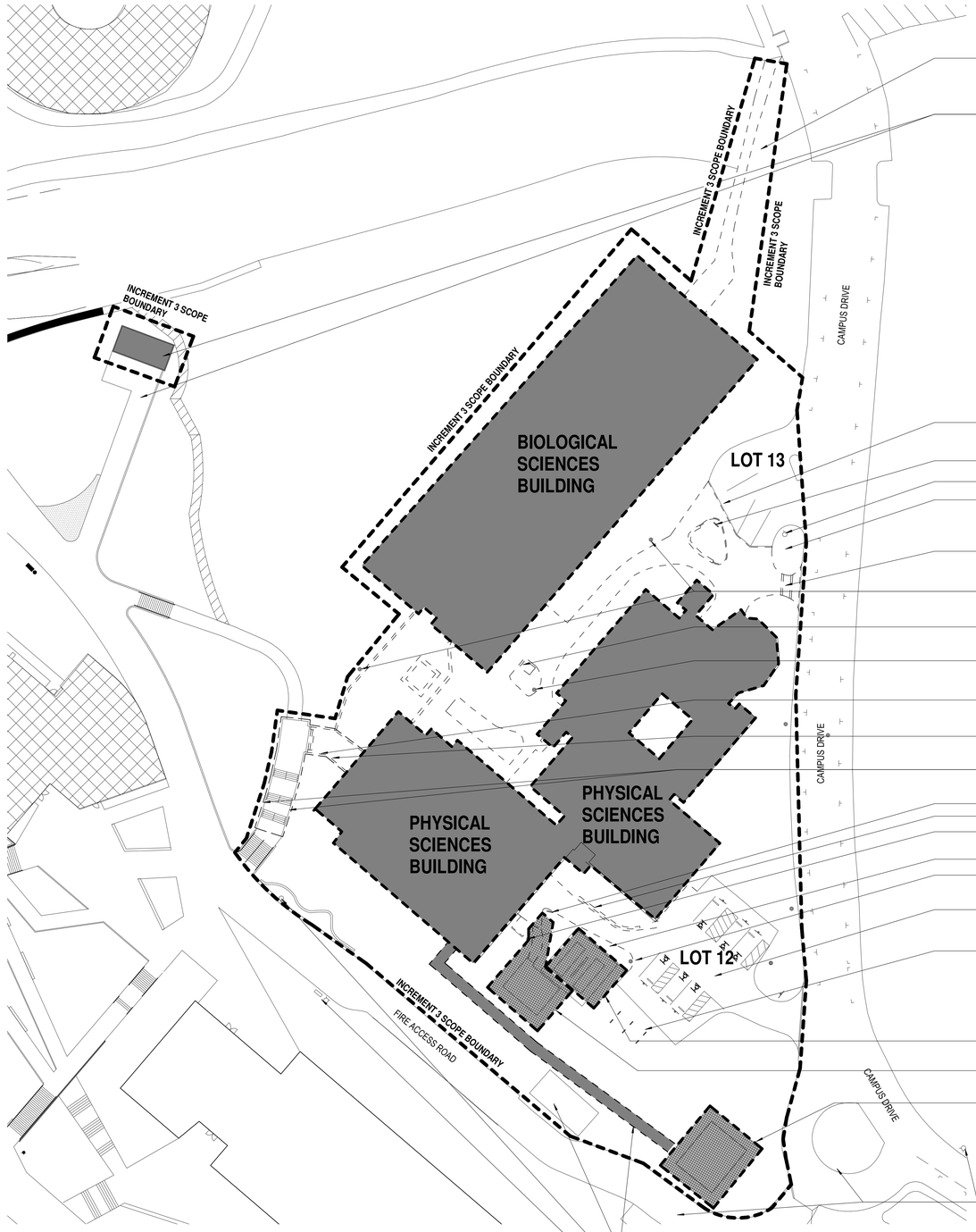
HABITABLE ZONE BOUNDARY MAP

10418.000

PROJECT NUMBER

INC-3 **AD1.2**

SHEET NUMBER



1 SITE DEMOLITION PLAN
SCALE: 1" = 30'-0"

DEMOLISH (E) WALKWAY SHOWN DASHED - PROVDE SAWCUT FOR CLEAN BREAK TO SEPARATE DEMOLISHED AREA FROM (E) TO REMAIN

DEMOLISH (E) BIOLOGICAL SCIENCES CHILLER AND ITS ENCLOSURE STRUCTURES, CUT BACK AND CAP ALL ASSOCIATED UTILITIES 5-FEET OUTSIDE OF ITS STRUCTURE SO TO OCCUR BELOW THE FINISH GRADE, ABANDON ALL UTILITIES BEYOND. NO EXPOSED MEP TO REMAIN ABOVE GRADE. REFER TO CIVIL DRAWINGS.

USE CARE NOT TO DAMAGE ANY (E) UTILITIES IN THE VICINITY OF THE REMOVAL SCOPE, REFER TO CIVIL DRAWINGS.

PROTECT ALL (E) HARDSCAPE, WHICH INCLUDES CONCRETE PAD, CONCRETE WALKWAY/DRIVEWAY LEADING TO THE (E) BIOLOGICAL SCIENCE CHILLER. REPAIR ALL DAMAGED SURFACES.

PARKING LOT 13 - (E) PARKING LOT TO REMAIN AND REPURPOSE TO MAINTENANCE PARKING/LOADING AREA. (E) HARDSCAPE TO REMAIN - SAWCUT PAVING TO PROVIDE CLEAN BREAK AT PAVING REMOVAL. PROVIDE (N) POST-MOUNTED SIGNAGE PER CIVIL.

DEMOLISH POST MOUNTED CAMPUS MAP AND RELATED FOOTINGS

PROTECT (E) FIRE HYDRANT FOR ENTIRE CONSTRUCTION DURATIONS

(E) LANDSCAPED ISLAND TO REMAIN

(E) PAVING AND STAIRS UP TO (E) ROAD TO BE DEMOLISHED - PROVIDE CLEAN BREAK BETWEEN DEMOLISHED AREA AND (E) ROAD TO REMAIN

(E) SITE LIGHTING POST TO BE CAREFULLY REMOVED AND RETURNED TO THE COLLEGE FOR FUTURE RE-USE. - GC TO CUT BACK CONNECTIONS AS REQUIRED SO TO BE MIN 1'-0" BELOW FINISHED GRADE

(E) EMERGENCY GENERATOR TO BE CAREFULLY REMOVED AND RETURNED TO THE COLLEGE FOR FUTURE RE-USE. - GC TO CUT BACK CONNECTIONS AS REQUIRED SO TO BE MIN 1'-0" BELOW FINISHED GRADE - REMOVE RELATED CONC PAD

(E) SITE LIGHTING POST TO BE CAREFULLY REMOVED AND RETURNED TO THE COLLEGE FOR FUTURE RE-USE. - GC TO CUT BACK CONNECTIONS AS REQUIRED SO TO BE MIN 1'-0" BELOW FINISHED GRADE

DEMOLISH PORTION OF CONCRETE WALKWAY WITHIN THE SCOPE OF WORK SHOWN DASHED. SAWCUT CONC TO PROVIDE CLEAN BREAK FROM DEMOLISHED PORTION OF CONC WITH THAT of (E) WALKWAY TO REMAIN. CAREFUL DEMOLITION AT THE FOOTING SO TO NOT INTERFERE WITH THE REMAINING WALKWAY

DEMOLISH ALL PORTIONS OF THE OVERHEAD WALKWAY CANOPY STRUCTURE ATTACHED TO THE PHYSICAL SCIENCES BUILDING ALONG WITH SUPPORTING STRUCTURE.

(E) CONC STAIRS AND MTL HANDRAIL TO REMAIN - DEMOLISH THE OVERHEAD WALKWAY CANOPY STRUCTURE - CUT CANOPY SUPPORTS OFF CLEANLY AT LEVEL OF CONCRETE AND FILL BACK IN WITH GROUT.

DEMOLISH POST MOUNTED CAMPUS MAP AND RELATED FOOTINGS

CAREFULLY DEMOLISH (E) BLOCK WALL

(E) SITE LIGHTING POST TO BE CAREFULLY REMOVED AND RETURNED TO THE COLLEGE FOR FUTURE RE-USE - GC TO CUT BACK CONNECTIONS AS REQUIRED SO TO BE MIN 1'-0" BELOW FINISHED GRADE

DEMOLISH (E) STONE PAVERS BETWEEN (E) GENERATOR CONCRETE PAD AND LOT 12.

(E) SITE LIGHTING POST TO REMAIN AT THIS CORNER OF THE PARKING LOT. GC TO SAFE GUARD (E) UTILITY CONNECTIONS TO (E) SITE LIGHTING. REMOVE SIGNAGE FROM (E) LIGHT POST

PARKING LOT 12 - (E) PARKING LOT TO REMAIN AND REPURPOSE TO MAINTENANCE PARKING/LOADING AREA WITH RESTRICTED ACCESS. SAWCUT PAVING TO PROVIDE CLEAN BREAK AT PAVING REMOVAL. PROVIDE (N) POST-MOUNTED SIGNAGE PER CIVIL. REPAINT OVER (E) ADA SYMBOL AND REMOVE ALL (E) ADA PARKING POST MOUNTED SIGNGAGE. REFER TO CIVIL DRAWINGS.

CAREFULLY REMOVE (E) BIKE PARKING RINGS AT THIS AREA AND RELATED CONCRETE FOOTINGS - TURN OVER BIKE PARKING RINGS TO COLLEGE FOR RE-USE.

BID ADD ALTERNATE - 2
INDICATED WITHIN DASHED LINE
SEE BID-ADD ALTERNATE DESCRIPTION THIS SHEET FOR FURTHER INFORMATION.

BID ADD ALTERNATE - 1
INDICATED WITHIN DASHED LINE
SEE BID-ADD ALTERNATE DESCRIPTION THIS SHEET FOR FURTHER INFORMATION.

BID ADD ALTERNATE - 3
INDICATED WITHIN DASHED LINE
SEE BID-ADD ALTERNATE DESCRIPTION THIS SHEET FOR FURTHER INFORMATION.

PROTECT ALL (E) VEHICULAR ROADS INCLUDING FIRE ACCESS ROAD AND TRAFFIC CIRCLE, REPAIR IN KIND WHEN DAMAGED AT CONTRACTORS COST

REMOVE PIPINGS FROM PHYSICAL SCEINCE BUILDING LEADING UP TO BOILER BUILDING

PROTECT (E) TRANSFORMER BUILDING FOR THE ENTIRE CONSTRUCTION DURATION

PROTECT (E) FIRE HYDRANT FOR ENTIRE CONSTRUCTION DURATIONS

PROTECT (E) FIRE DEPT. CONNECTION AND BACKFLOW PREVENTER FOR ENTIRE CONSTRUCTION DURATIONS

MAIN PROJECT GENERAL DEMOLITION NOTES
EXCLUDING BID ADD ALTERNATE OPTIONS LISTED BELOW

DEMOLISH BOTH THE UPPER AND LOWER PORTION OF (E) PHYSICAL SCIENCE BUILDING IN ITS ENTIRETY AND REMOVE (E) SLAB AND STRUCTURAL FOUNDATIONS TO INCLUDE FULL DEPTH OF FOOTINGS. DEMOLISH ALL PAVING AND PLANTINGS FROM COURTYARDS. DEMOLISH ALL RELATED BRICK MASONRY AND FENCES AND CANOPIES THAT ADJOIN OR ARE ADJACENT TO THE BUILDING AND REMOVED THEIR ASSOCIATED FOOTINGS. SALVAGE ALL MECHANICAL SPLIT-UNITS AT THE PHYSICAL SCIENCES BUILDING AND TURN OVER TO THE COLLEGE FOR FUTURE RE-USE. EXISTING BUILDING MAY CONTAIN HAZARDOUS MATERIAL, SEE HAZARDOUS MATERIAL ABATEMENT NOTES ON THIS SHEET.

DEMOLISH THE (E) BIOLOGICAL SCIENCES BUILDING AND REMOVE (E) SLAB AND STRUCTURAL FOUNDATIONS. DEMOLISH ALL ADJACENT PAVING. DEMOLISH (E) RADIO ANTENNA WITH GUY WIRES AND ANY RELATED FOOTINGS. DEMOLISH ALL RELATED BRICK MASONRY AND FENCES THAT ADJOIN OR ARE ADJACENT TO THE BUILDING AND REMOVED THEIR ASSOCIATED FOOTINGS. SALVAGE ALL MECHANICAL SPLIT-UNITS AT THE BIOLOGICAL SCIENCES BUILDING AND TURN OVER TO THE COLLEGE FOR FUTURE RE-USE. EXISTING BUILDING MAY CONTAIN HAZARDOUS MATERIAL, SEE HAZARDOUS MATERIAL ABATEMENT NOTES ON THIS SHEET.

(E) EXTERIOR WASTE BINS ARE TO BE SAVED AND RELOCATED PER DIRECTION OF COLLEGE FACILITIES MAINTENANCE DEPARTMENT.

(E) EXTERIOR SITE LIGHTING POSTS WITHIN THE AREA OF DEMOLITION ARE TO BE REMOVED AND TO BE PRESERVED FOR FUTURE USE.

ALL ABOVE GROUND AND UNDERGROUND PIPING (CHILLER, STEAM, WATER, ETC) TO BE CONSIDERED AS ACM (ASBESTOS CONTAINING MATERIALS) AND ARE TO BE ABATED PER ORDINANCE. THIS PERTAINS TO THE BASE BID AS WELL AS ALL THE BID-ALTERNATES DESCRIBED BELOW.

REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION NOT SHOWN IN THIS SHEET FOR COMPLETE SCOPE OF WORK.

UTILITY DEMOLITION NOTES

1. EXISTING CONDITIONS INDICATED ON DOCUMENTS ARE BASED UPON REVIEW OF AVAILABLE RECORD DOCUMENTS AND VISUAL FIELD OBSERVATION AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. REMOVE ALL ABANDONED RACEWAY, CABLES, AND EQUIPMENT FROM AREAS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. DEMOLITION TO INCLUDE POWER, LIGHTING, FIRE ALARM DEVICES AND RACEWAYS, COMMUNICATION AND SECURITY DEVICES AND RACEWAYS, LOW VOLTAGE AND CONTROL SYSTEMS.
3. WHERE RACEWAYS ENTER OR EXIT SLABS OR PARTITION TO REMAIN, CUT RACEWAYS FLUSH WITH FINISH SURFACE, REMOVE CONDUCTORS AND PREPARE FOR REFINISH OF AREA.
4. WHERE UTILITIES, FEEDERS, RACEWAYS PASS THROUGH AREAS OR WALLS TO BE DEMOLISHED, DETERMINE SOURCE, FUNCTION AND LOAD PRIOR TO DEMOLITION. IF THESE ARE SERVICING AREAS OR LOADS THAT ARE TO REMAIN, PROVIDE PROVISIONS FOR RELOCATING PRIOR TO DEMOLITION, COORDINATE WITH COLLEGE.
5. AREAS OR LOADS THAT ARE TO REMAIN, PROVIDE PROVISIONS FOR RELOCATING PRIOR TO DEMOLITION. SOURCE OR FIRST UP STREAM DEVICE TO REMAIN IN SERVICE.
6. VERIFY THAT ALL UTILITIES HAVE BEEN DISCONNECTED AND MADE SAFE PRIOR TO COMMENCING DEMOLITION.
7. CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE WORK AREA WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE COLLEGE. EXTREME CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
8. IN ALL CASES WHERE WORK IS REMOVED, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABOR TO MAINTAIN OPERATION OF ALL PARTS OF SYSTEMS CONNECTING TO, OR FROM, THE PARTS REMOVED. COMPLETE ALL WORK ACCORDING TO APPLICABLE CODES, REGULATIONS, AND STANDARDS.
9. WHEN REMOVING THE FIRE ALARM SYSTEMS FROM THE BUILDINGS, CONTRACTOR IS RESPONSIBLE TO VERIFY AND HIRE THE APPROPRIATE VENDOR (SIEMENS) WITH THE CAMPUS AUTHORITY APPROVAL TO ASSURE THE PROCEDURE IS NOT IMPACTING THE CAMPUS FIRE ALARM SYSTEM FUNCTION OR SAFETY.
10. WHEN REMOVING UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL, PLUMBING AND COMMUNICATION FROM THE BUILDING BEING DEMOLISHED, CONTRACTOR IS REPONSIBLE TO VERIFY WITH CAMPUS AUTHORITY TO ASSURE THE PROCEDURE IS NOT IMPACTING ANY EXISTING CAMPUS UTILITIES FUNCTION AND OTHER CAMPUS BUILDING FUNCTION OR SAFETY.
11. WHEN REMOVING SITE UTILITIES LINES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, PLUMBING, AND COMMUNICATION, CONTRACTOR IS RESPONSIBLE TO VERIFY WITH CAMPUS AUTHORITY TO DETERMINE THE TERMINATION POINT TO AVOID IMPACT TO OTHER CAMPUS BUILDING FUNCTION OR SAFETY.
12. REFER TO CIVIL DRAWINGS FOR DEMOLITION OF UTILITIES.

HAZARDOUS MATERIAL ABATEMENT NOTES - SEE ABATEMENT SPECIFICATIONS AND REPORTS PREPARED BY THE DISTRICT'S ABATEMENT CONSULTANT. THESE REPORTS AND SPECIFICATIONS WERE NOT PREPARED BY SMITHGROUP OR BKF AND THEY ARE NOT RESPONSIBLE FOR THE CONTENT OF THESE SPECIFICATION SECTIONS OR REPORTS.

1. APPLIES TO BASE SCOPE OF WORK AND BID ADD ALTERNATES.
ALL HAZARDOUS MATERIALS WHEN ENCOUNTERED ARE TO BE PROPERLY IDENTIFIED, TESTED, ABATED, REMOVED AND DISPOSED SAFELY AND APROPRIATELY PER ABATEMENT SPECIFICATIONS PREPARED BY CONSULTANT. IT IS ASSUMED THAT EXISTING BUILDINGS AND UTILITIES, BOTH ABOVE AND BELOW GRADE CONTAIN HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO FOLLOWING LISTED CONDITIONS BELOW. CONTRACTOR SHALL REMOVE HAZARDOUS MATERIALS IN ACCORDANCE TO THE REQUIREMENTS NOTED IN THE DISTRICT'S ABATEMENT CONSULTANT'S SPECIFICATION SECTIONS IN THE PROJECT MANUAL BOOK 1.

   A. UNDERGROUND UTILITIES PIPES WITH EITHER ASPHALT COATING AND/OR ASBESTOS CEMENT PIPES (GAS/WATER) AND INSULATED WRAP ON PIPES (MECHANICAL) AND ASSOCIATED GASKETS CONTAIN ASBESTOS AND BIDDERS SHALL INCLUDE THE COST IN BIDS TO REMOVE PER METHODS REQUIRED BY THE DISTRICT'S ABATEMENT CONSULTANT'S SPECIFICATION SECTIONS.

BID ADD ALTERNATE - 1
HAZARDOUS CHEMICAL STORAGE

DEMOLITION SCOPE
1. DEMOLISH (E) CMU BLDG, (E) STEM WALLS, AND (E) FOUNDATIONS
2. DEMOLISH ADJACENT CONCRETE ENTRY LANDING AND STAIRS BACK TO (E) WALKWAY. PROVIDE CLEAN PAVING CUTOFF FROM THE DEMOLISHED WALKWAY LEADING FROM PARKING LOT 12 AREA.
3. ALL MECHANICAL, ELECTRICAL, AND PLUMBING TO BE ABANDONED AT POINT OF CONNECTION. CUT BACK AND CAP SO TO OCCUR BELOW GRADE. NO EXPOSED MEP TO REMAIN ABOVE GRADE.

USE CARE NOT TO DAMAGE ANY (E) UTILITIES THAT MAY OVERLAP WITH THE AREA ENCLOSED WITHIN THE ILLUSTRATED DASHED LINE BOUNDARY SHOWN.

REPLACEMENT SCOPE
1. FILL AS REQUIRED AT GRADE TO MATCH ADJACENT GRADES AND PROVIDE PLANTING AS REQ'D. REFER TO CIVIL DRAWINGS.

BID ADD ALTERNATE - 2
CHILLER UNITS AND PADS

DEMOLITION SCOPE
1. DEMOLISH ALL WOOD FENCE AND POSTS FOOTINGS.
2. REMOVE ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT WITHIN THE AREA SHOWN AS BID ALTERNATE.
3. DEMOLISH (E) CONCRETE PAD AND RELATED FOOTINGS.
4. DEMOLISH AND REMOVE (E) STEM WALLS, AND (E) FOUNDATIONS
5. DEMOLISH ADJACENT CONCRETE LANDING AND STAIRS BACK TO (E) WALKWAY.
6. ALL MECHANICAL, ELECTRICAL, AND PLUMBING TO BE ABANDONED AT POINT OF CONNECTION. CUT BACK AND CAP SO TO OCCUR BELOW GRADE. NO EXPOSED MEP TO REMAIN ABOVE GRADE.

USE CARE NOT TO DAMAGE ANY (E) UTILITIES THAT MAY OVERLAP WITH THE AREA ENCLOSED WITHIN THE ILLUSTRATED DASHED LINE BOUNDARY SHOWN.

REPLACEMENT SCOPE
1. FILL AS REQUIRED AT GRADE TO MATCH ADJACENT GRADES AND PROVIDE PLANTING AS REQ'D. REFER TO CIVIL DRAWINGS.

BID ADD ALTERNATE - 3
BOILER ROOM BUILDING

DEMOLITION SCOPE
1. DEMOLISH (E) BRICK BUILDING, CONCRETE PAD, AND RELATED FOUNDATIONS.
2. REMOVE ALL MECHANICAL, ELECTRICAL AND PLUMBING WITHIN THE (E) BUILDING. CAREFULLY REMOVE (E) BOILERS WITHING THE BUILDING - TURN OVER BOILERS TO COLLEGE FOR RE-USE.
3. ON THE WEST SIDE OF THE BUILDING - DEMOLISH THE (E) MECHANICAL LINES THAT EXIT THE WEST SIDE OF THIS STRUCTURE UP TO THE POINT WHERE THEY ENTER THE (E) PHYSICAL SCIENCES BUILDING THAT IS TO BE DEMOLISHED AS PART OF THE MAIN BUILDING DEMOLITION SCOPE.
4. DEMO THE CONCRETE TRENCH, STEEL COVER PLATE AND RELATED ON THE WEST SIDE OF THE BUILDINGS.
5. DEMOLISH (E) CHAIN LINK FENCE AND POST FOOTINGS SURROUNDING THIS BUILDING.
6. REMOVE ADJACENT PAVER STONES BETWEEN THE CONCRETE PAD AND LOT 12.
7. DEMOLISH AND REMOVE (E) STEM WALLS, AND (E) FOUNDATIONS
8. DEMOLISH ADJACENT CONCRETE LANDING AND STAIRS BACK TO (E) WALKWAY.
9. ALL MECHANICAL, ELECTRICAL, AND PLUMBING TO BE ABANDONED AT POINT OF CONNECTION. CUT BACK AND CAP SO TO OCCUR BELOW GRADE. NO EXPOSED MEP TO REMAIN ABOVE GRADE.

USE CARE NOT TO DAMAGE ANY (E) UTILITIES THAT MAY OVERLAP WITH THE AREA ENCLOSED WITHIN THE ILLUSTRATED DASHED LINE BOUNDARY SHOWN.

REPLACEMENT SCOPE
1. FILL AS REQUIRED AT GRADE TO MATCH ADJACENT GRADES AND PROVIDE PLANTING AS REQ'D. REFER TO CIVIL DRAWINGS.

AGENCY APPROVALS

CONTRA COSTA COLLEGE

Inc. 3, Demo and Abatement of Physical Science and Biological Science Building and other Structures

SMITHGROUP
301 BATTERY STREET
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www.smithgroup.com

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1646 N. California Blvd. #400
Walnut Creek, CA 94596
(925) 940-2200

ISSUED FOR	REV	DATE
BID SET		05 NOV 2021
100% CONSTRUCTION DOCUMENTS		08 OCT 2021
ISSUED FOR DISTRICT REVIEW		29 MAR 2018

SEALS AND SIGNATURES

LICENSED ARCHITECT
CHIN - KEI J. WONG
C 28027
03-31-2023
RENEWAL DATE
STATE OF CALIFORNIA

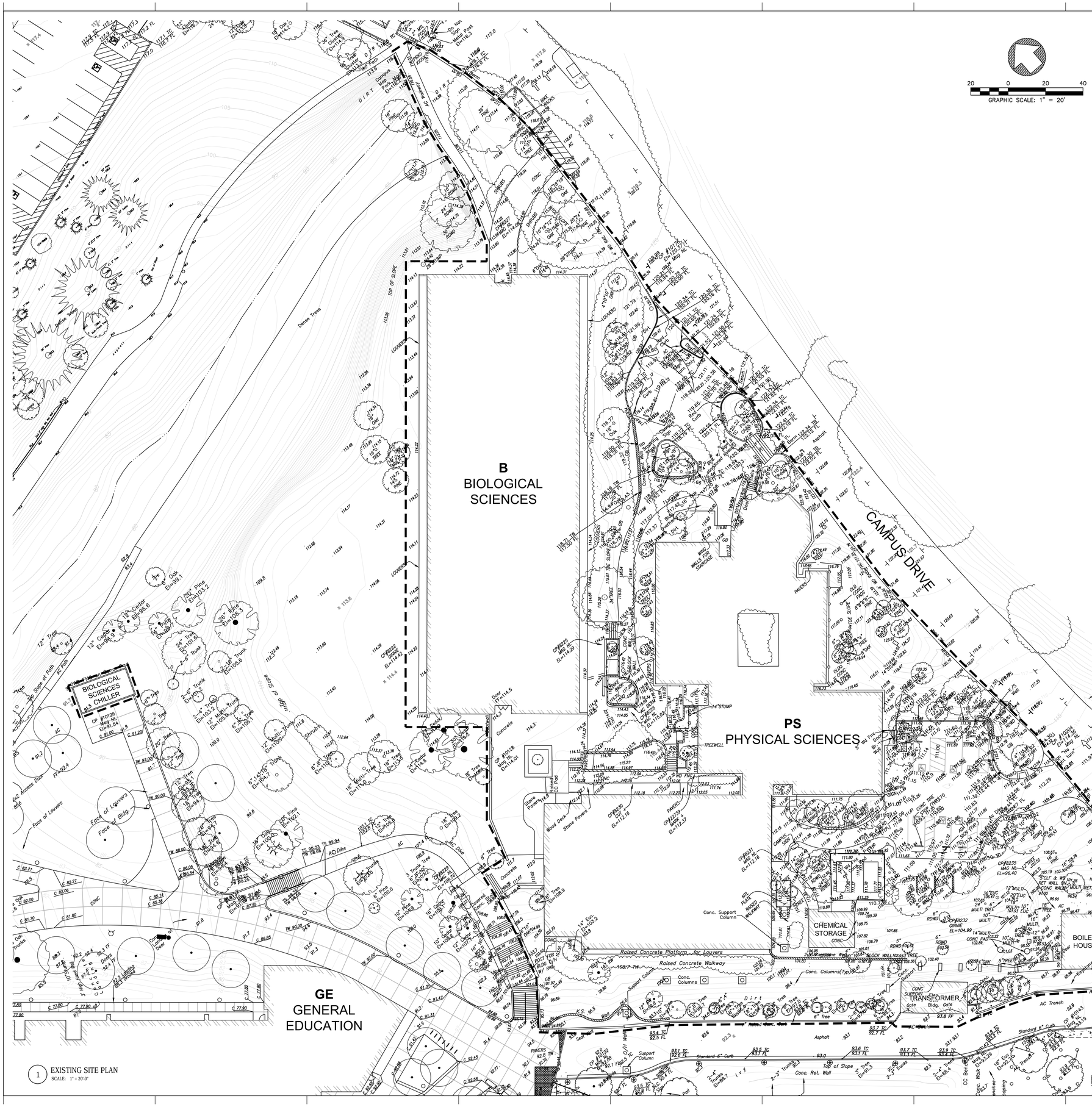
SHEET TITLE
SITE DEMOLITION SHEET

10418.000
PROJECT NUMBER

INC-3 **AD1.3**
SHEET NUMBER

Plot Date: 11/3/2021 9:32:03 PM

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"



1 EXISTING SITE PLAN
SCALE: 1" = 20'-0"

20 0 20 40
GRAPHIC SCALE: 1" = 20'

EXISTING SITE LEGEND

- LIMIT OF WORK
- XX EXISTING CONTOUR
- TREE

EXISTING SITE ABBREVIATIONS

AC	ASPHALT	RDWD	REDWOOD TREE
BLDG	BUILDING	RET	RETAINING WALL
BR	BRICK	TC	TOP OF CURB
CONC	CONCRETE	TW	TOP OF WALL
EL	ELEVATION	WD	WOOD
FL	FLOW LINE		
FNC	FENCE		
GB	GRADE BREAK		
KS	KEYSTONE WALL		

EXISTING SITE NOTES

1. EXISTING TREES ON SITE SHALL BE PROTECTED AS MUCH AS POSSIBLE.
2. CONTRACTOR TO PROVIDE TREE REMOVAL PLAN AND REVIEW WITH COLLEGE BEFORE PROCEEDING.
3. BID-ALTERNATES: SEE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION

AGENCY APPROVALS

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ISSUED FOR BID		*05 NOV 2021*
100% CONSTRUCTION DOCUMENTS		*08 OCT 2021*
ISSUED FOR DISTRICT REVIEW		*29 MAR 2018*

SEALS AND SIGNATURES

REGISTERED PROFESSIONAL ENGINEER
STEVE B. JOHNSON
C 061408
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 11/04/2021

SHEET TITLE

EXISTING SITE PLAN

10418.000
PROJECT NUMBER

INC-3 **C1.00**
SHEET NUMBER

Plot Date: 11/2/2021 6:58:07 PM

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
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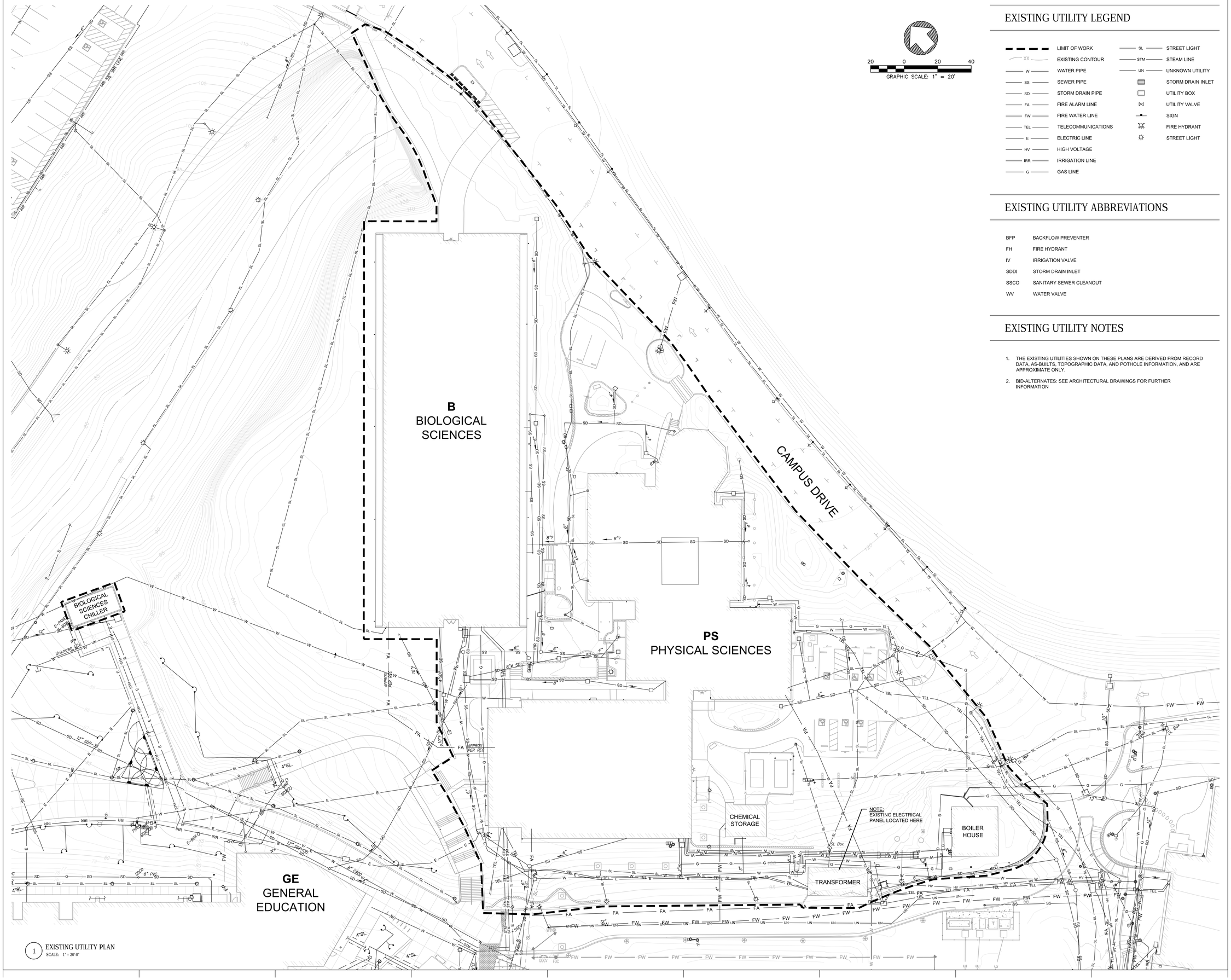
GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"



1 EXISTING UTILITY PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
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GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"

Plot Date: 11/2/2021 6:58:07 PM

EXISTING UTILITY LEGEND

	LIMIT OF WORK	SL	STREET LIGHT
XX	EXISTING CONTOUR	STM	STEAM LINE
W	WATER PIPE	UN	UNKNOWN UTILITY
SS	SEWER PIPE		STORM DRAIN INLET
SD	STORM DRAIN PIPE		UTILITY BOX
FA	FIRE ALARM LINE		UTILITY VALVE
FW	FIRE WATER LINE		SIGN
TEL	TELECOMMUNICATIONS		FIRE HYDRANT
E	ELECTRIC LINE		STREET LIGHT
HV	HIGH VOLTAGE		
IRR	IRRIGATION LINE		
G	GAS LINE		

EXISTING UTILITY ABBREVIATIONS

BFP	BACKFLOW PREVENTER
FH	FIRE HYDRANT
IV	IRRIGATION VALVE
SDDI	STORM DRAIN INLET
SSCO	SANITARY SEWER CLEANOUT
WV	WATER VALVE

EXISTING UTILITY NOTES

1. THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE DERIVED FROM RECORD DATA, AS-BUILTS, TOPOGRAPHIC DATA, AND POTHOLE INFORMATION, AND ARE APPROXIMATE ONLY.
2. BID-ALTERNATES: SEE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION

AGENCY APPROVALS

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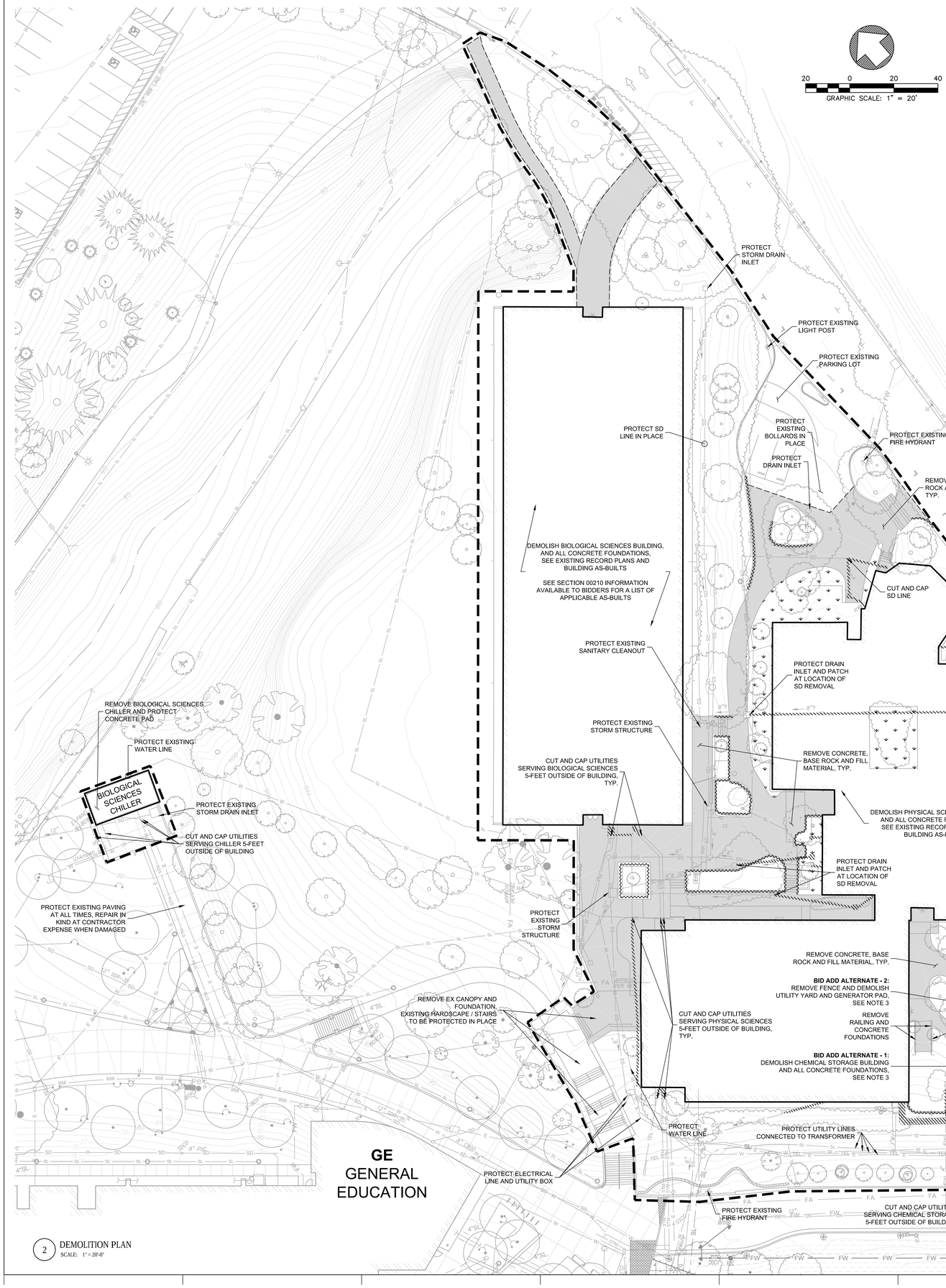
SEALS AND SIGNATURES

REGISTERED PROFESSIONAL ENGINEER
JAMES B. JOHNSON
C 061408
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 11/04/2021

SHEET TITLE
EXISTING UTILITY PLAN

10418.000
PROJECT NUMBER

INC-3 **C1.01**
SHEET NUMBER



2 DEMOLITION PLAN
SCALE: 1" = 20'-0"

UTILITY DEMOLITION NOTES

1. FIRE ALARM PANEL TO BE DISCONNECTED AT THE MAIN PANEL IN THE AA BUILDING.
2. CONTRACTOR TO NOTIFY MONITORING COMPANY OF FIRE ALARM DISCONNECTION.
3. SIEMENS IS THE SOLE SOURCE CONTRACTOR FOR THE COLLEGE. CONTRACTOR MUST CONTRACT WITH SIEMENS TO DISCONNECT FIRE ALARM.
4. CONTRACTOR TO CONFIRM WITH COLLEGE INTRUSION ALARM HAS BEEN DISONNECTED.

HAZARDOUS MATERIAL ABATEMENT NOTES

1. SEE ABATEMENT SPECIFICATION AND REPORTS PREPARED BY THE DISTRICT'S ABATEMENT CONSULTANT. THESE REPORTS AND SPECIFICATIONS WERE NOT PREPARED BY SMITH GROUP OR BKF AND THEY ARE NOT RESPONSIBLE FOR THE CONTENT OF THESE SPECIFICATION SECTIONS OR REPORTS.
2. APPLIES TO BASE SCOPE OF WORK AND BID ADD ALTERNATES
3. ALL HAZARDOUS MATERIALS WHEN ENCOUNTERED ARE TO BE PROPERLY IDENTIFIED, TESTED, ABATED, AND REMOVED SAFELY AND APPROPRIATELY PER ABATEMENT SPECIFICATIONS PREPARED BY THE DISTRICT'S ABATEMENT CONSULTANT . BIDDER'S SHALL ASSUME UTILITIES, BOTH ABOVE AND BELOW GRADE CONTAIN HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO FOLLOWING LISTED CONDITIONS BELOW. CONTRACTOR SHALL REMOVE HAZARDOUS MATERIALS IN ACCORDANCE TO THE REQUIREMENTS IN THE DISTRICT'S ABATEMENT CONSULTANT'S SPECIFICATION SECTIONS

3.1. UNDERGROUND UTILITIES PIPES WITH EITHER ASPHALT COATING AND/OR ASBESTOS CEMENT PIPES (GAS/WATER) AND INSULATED WRAP ON PIPES (MECHANICAL) AND ASSOCIATED GASKETS MAY CONTAIN ASBESTOS AND BIDDERS SHALL INCLUDE THE COST IN BIDS TO REMOVE PER METHODS REQUIRED BY THE DISTRICT'S ABATEMENT CONSULTANT'S SPECIFICATION SECTIONS.

DEMOLITION LEGEND

- LIMIT OF WORK
- XX EXISTING CONTOUR
- REMOVE UTILITY
- REMOVE CURB / WALL
- REMOVE HARDSCAPE, SEE NOTE 13
- CLEAR AND GRUB

DEMOLITION ABBREVIATIONS

BFP	BACKFLOW PREVENTER	SDDI	STORM DRAIN INLET
FH	FIRE HYDRANT	SSCO	SANITARY SEWER CLEANOUT
IV	IRRIGATION VALVE	TYP	TYPICAL
MH	MANHOLE	WV	WATER VALVE

DEMOLITION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR TO REVIEW HAZARDOUS MATERIALS REPORT. ALL HAZARDOUS MATERIALS ARE TO BE REMOVED, SEE PLANS AND SPECIFICATIONS. UNDERGROUND UTILITY LINES MAY CONTAIN ASBESTOS AND ARE TO BE REMOVED IN ACCORDANCE WITH HAZARDOUS MATERIAL REMOVAL SPECIFICATION AS PART OF THE MAIN BUILDING PROJECT MANUAL BOOK 1.
2. ALL OBSTRUCTIONS, DEBRIS AND DELETERIOUS MATERIALS, INCLUDING ANY EXISTING STRUCTURES SUCH AS FOUNDATIONS, PAVEMENTS, CONCRETE SLABS, UNDERGROUND UTILITY LINES, AND WELLS, IF ANY, SHALL BE REMOVED FROM THE CONSTRUCTION AREAS. STUMPS AND PRIMARY ROOTS OF ANY TREES AND BRUSH SHALL BE REMOVED.
3. CONTRACTOR SHALL VERIFY ROUTING OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION. ANY UTILITY STILL IN SERVICE TO ADJACENT CAMPUS BUILDINGS OR FACILITIES SHALL BE PROTECTED IN PLACE. NOTIFY CAMPUS BUILDING AND GROUNDS IMMEDIATELY OF ANY DISCREPANCIES.
4. REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOULD INCLUDE REMOVAL OF ASSOCIATED GRANULAR BEDDING MATERIAL.
5. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS) AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, WATER & GAS) UNLESS OTHERWISE NOTED.
6. THE EXISTING UTILITIES ON THESE PLANS ARE DERIVED FROM RECORD DATA, AS-BUILTS, TOPOGRAPHIC DATA, AND POTHOLE INFORMATION ARE APPROXIMATE ONLY.
7. LIMIT OF DEMOLITION ALONG HARDSCAPE SHALL BE TO NEAREST SCORE LINE.
8. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE DISTRICT FOR CAMPUS TO REMAIN OPERATIONAL DURING CONSTRUCTION.
9. IRRIGATIONS LINES MAY BE PRESENT THROUGHOUT LANDSCAPING. IF IRRIGATION LINES ARE DAMAGED DURING CONSTRUCTION ACTIVITIES, CONTRACTOR TO REPLACE LINES AT NO COST TO THE DISTRICT.
10. EXISTING SITE FURNITURE (BENCHES, TABLES, BIKE RACKS, TRASH CANS, ETC.) ARE TO BE REMOVED AND RELOCATED TO A LOCATION DETERMINED BY THE DISTRICT.
11. FOR TREE PROTECTION, REMOVAL, AND RELOCATION, REFER TO CLEARING AND GRUBBING SPECIFICATION SECTION 31 11 00.
12. DO NOT INTERRUPT UTILITIES SERVICING FACILITIES OPERATED BY DISTRICT OR OTHERS UNLESS IN WRITING BY THE DISTRICT AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY SERVICES ACCORDING TO THE REQUIREMENTS IN THE SPECIFICATIONS.
13. AREAS WITH REMOVAL OF HARDSCAPE SHALL BE REPLACED WITH LANDSCAPE MATERIAL TO MATCH ADJACENT GRADES.
14. EXISTING TREES ON SITE SHALL BE PROTECTED AS MUCH AS POSSIBLE UNLESS OTHERWISE NOTED.
15. CONTRACTOR TO PROVIDE TREE REMOVAL PLAN AND REVIEW WITH COLLEGE BEFORE PROCEEDING.
16. BID-ALTERNATES: SEE ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION
17. CONTRACTOR TO REMOVE ALL UTILITIES AND TREES WITHIN 5' OF BUILDING FOOTPRINT.
18. THE CONTRACTOR WILL BE REQUIRED TO PROTECT THE FIRE ACCESS ROAD IF THEY USE IT TO ACCESS THE SITE. CONTRACTOR WILL BE LIABLE FOR ANY

AGENCY APPROVALS

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Inc. 3, Demo and Abatement of Physical Science and Biological Science Building and other Structures

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ISSUED FOR	REV	DATE
ISSUED FOR BID		05 NOV 2021
100% CONSTRUCTION DOCUMENTS		08 OCT 2021
ISSUED FOR DISTRICT REVIEW		29 MAR 2018

SEALS AND SIGNATURES

REGISTERED PROFESSIONAL ENGINEER — DANIEL D. JOHNSON — C 061408 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED 11/04/2021

SHEET TITLE

DEMOLITION PLAN

10418.000

PROJECT NUMBER

INC-3 **C2.00**

SHEET NUMBER

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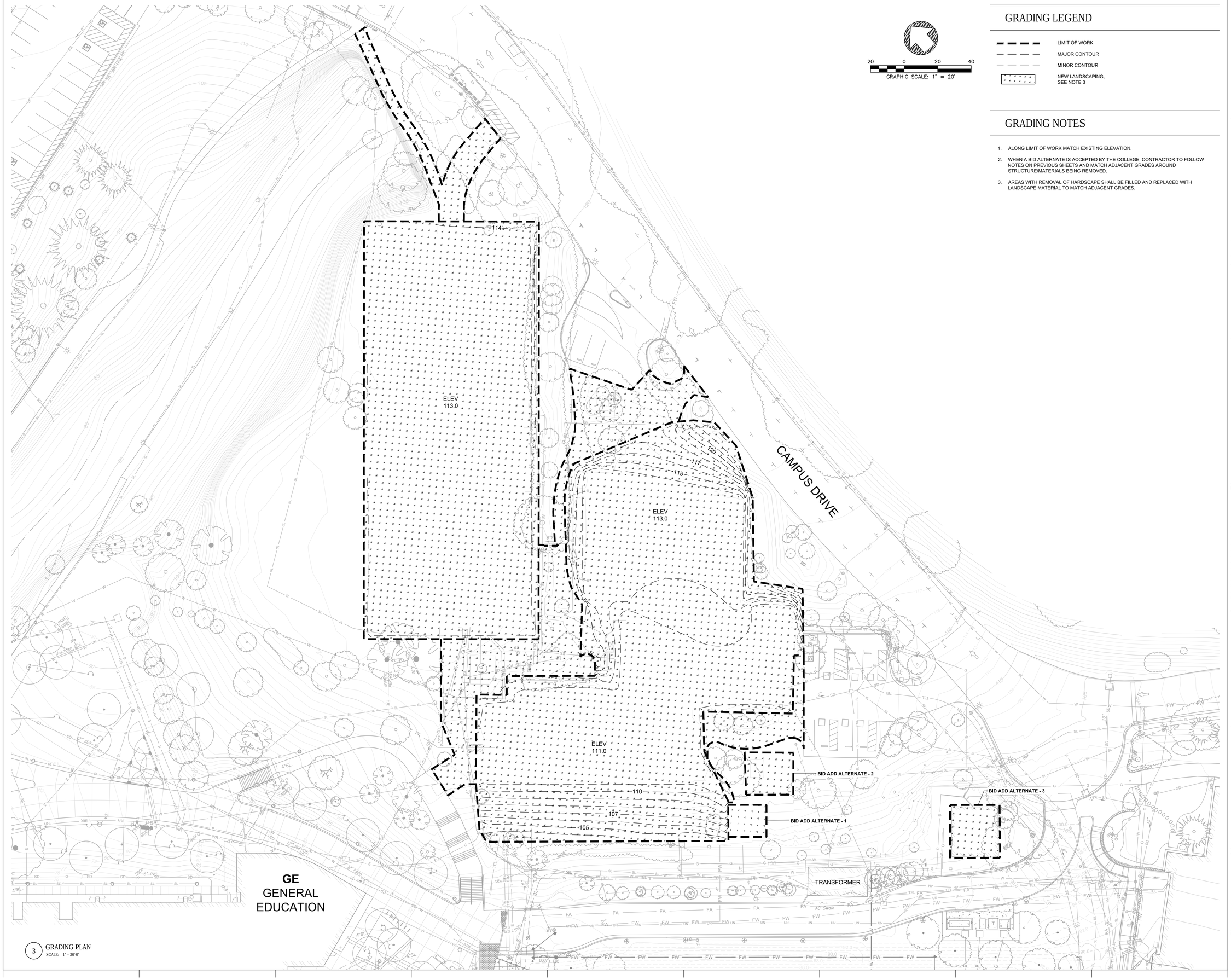

3 GRADING PLAN
SCALE: 1" = 20'-0"

GRADING LEGEND

- LIMIT OF WORK
- MAJOR CONTOUR
- MINOR CONTOUR
- NEW LANDSCAPING, SEE NOTE 3

GRADING NOTES

1. ALONG LIMIT OF WORK MATCH EXISTING ELEVATION.
2. WHEN A BID ALTERNATE IS ACCEPTED BY THE COLLEGE, CONTRACTOR TO FOLLOW NOTES ON PREVIOUS SHEETS AND MATCH ADJACENT GRADES AROUND STRUCTURE/MATERIALS BEING REMOVED.
3. AREAS WITH REMOVAL OF HARDSCAPE SHALL BE FILLED AND REPLACED WITH LANDSCAPE MATERIAL TO MATCH ADJACENT GRADES.

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REGISTERED PROFESSIONAL ENGINEER
TIMOTHY B. JOHNSON
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SHEET TITLE
PROPOSED GRADING PLAN

10418.000
PROJECT NUMBER

INC-3 **C3.00**
SHEET NUMBER

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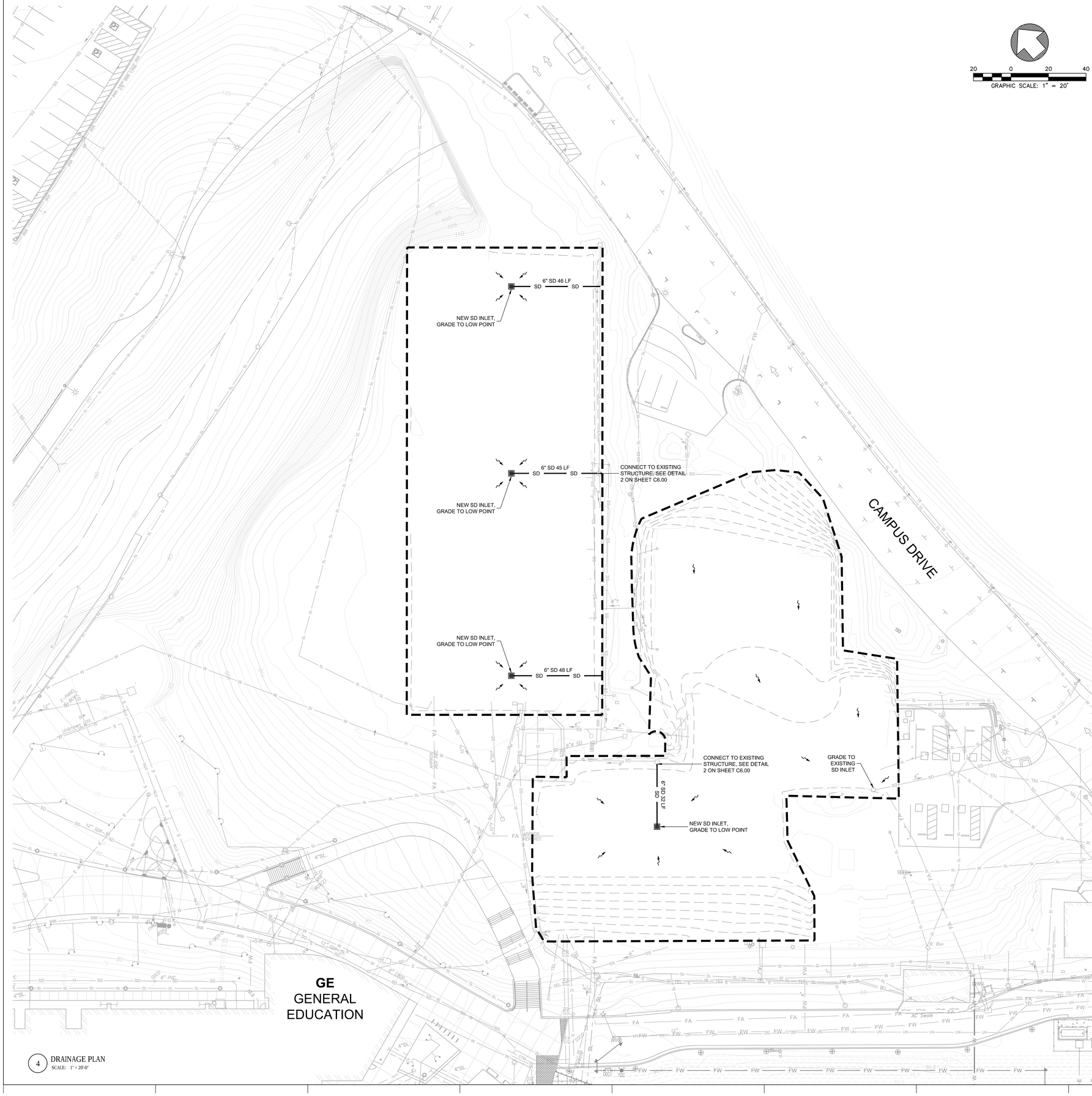

4 DRAINAGE PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"

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DRAINAGE LEGEND

- LIMIT OF WORK
- SD — STORM DRAIN PIPE, PVC SDR 26
- STORM DRAIN INLET, SEE DETAIL 3 ON SHEET C7.00

DRAINAGE NOTES

1. FOR TYPICAL UTILITY TRENCHING, SEE DETAIL 1 ON SHEET C7.00.
2. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED IN PLACE AND RAISED TO FINISH GRADE UNLESS OTHERWISE NOTED.
3. LOCATION IF ALL EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK. THE LOCATION AND DEPTHS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ARE BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER.
4. LIMIT OF WORK DOES NOT INCLUDE ALL EXTENTS REQUIRED FOR UTILITY TRENCHING. LIMIT OF WORK WITHIN AREA OF CONCRETE PAVEMENT SHALL BE EXTENDED TO NEAREST SCORE LINE. ALL MATERIAL DEMOLISHED OR MODIFIED DUE TO CONSTRUCTION ACTIVITY SHALL BE REPLACED IN KIND UNLESS OTHERWISE NOTED.

DRAINAGE ABBREVIATIONS

DI	DRAIN INLET	RIM	RIM ELEVATION
EX	EXISTING	S	SLOPE
INV	INVERT ELEVATION	SD	STORM DRAIN
LF	LINEAR FEET	TYP	TYPICAL

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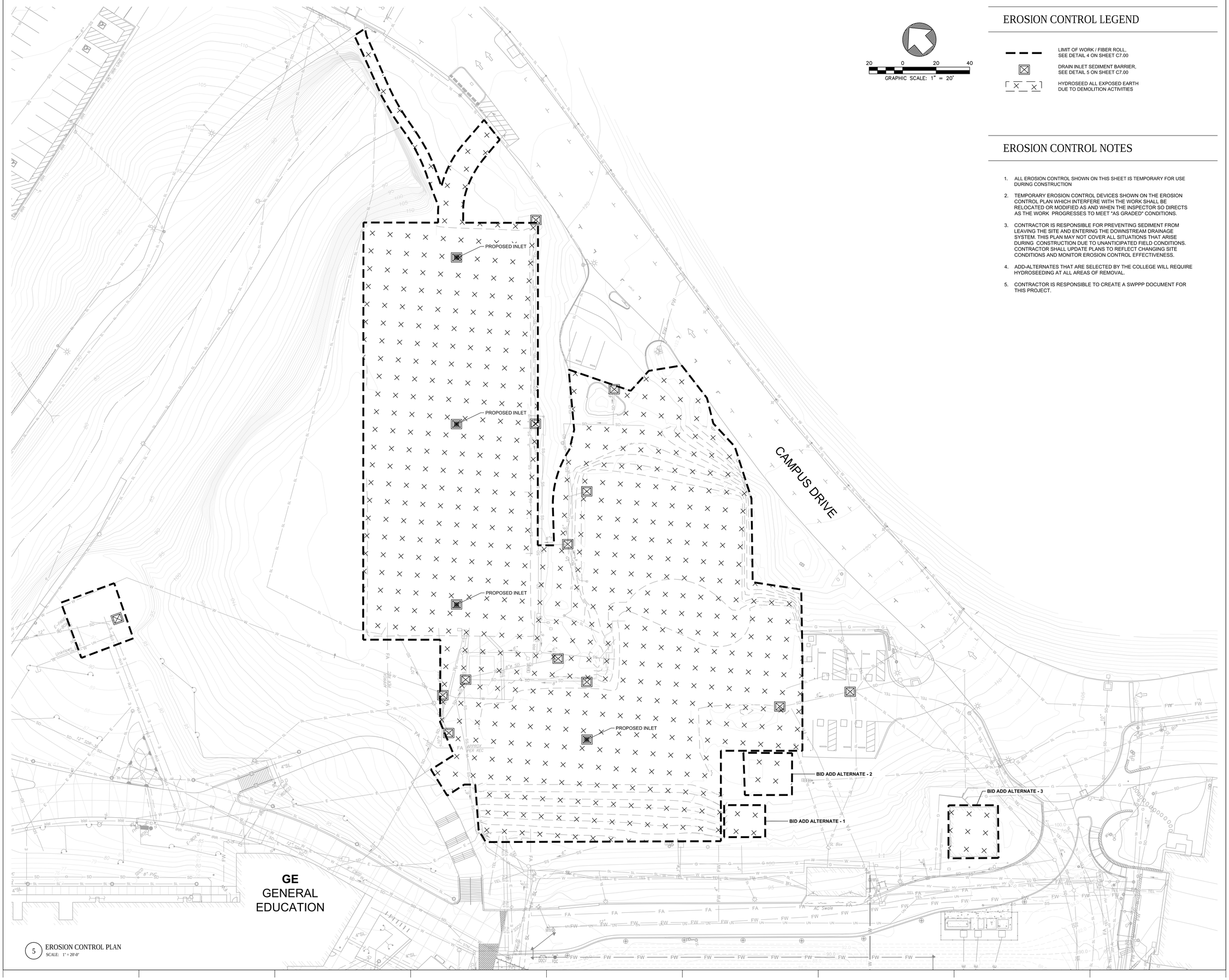
SHEET TITLE
PROPOSED DRAINAGE PLAN

PROJECT NUMBER
10418.000

INC-3 **C4.00**
SHEET NUMBER



5 EROSION CONTROL PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/4" = 1'-0"

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EROSION CONTROL LEGEND

- LIMIT OF WORK / FIBER ROLL, SEE DETAIL 4 ON SHEET C7.00
- DRAIN INLET SEDIMENT BARRIER, SEE DETAIL 5 ON SHEET C7.00
- HYDROSEED ALL EXPOSED EARTH DUE TO DEMOLITION ACTIVITIES

EROSION CONTROL NOTES

1. ALL EROSION CONTROL SHOWN ON THIS SHEET IS TEMPORARY FOR USE DURING CONSTRUCTION
2. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED" CONDITIONS.
3. CONTRACTOR IS RESPONSIBLE FOR PREVENTING SEDIMENT FROM LEAVING THE SITE AND ENTERING THE DOWNSTREAM DRAINAGE SYSTEM. THIS PLAN MAY NOT COVER ALL SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. CONTRACTOR SHALL UPDATE PLANS TO REFLECT CHANGING SITE CONDITIONS AND MONITOR EROSION CONTROL EFFECTIVENESS.
4. ADD-ALTERNATES THAT ARE SELECTED BY THE COLLEGE WILL REQUIRE HYDROSEEDING AT ALL AREAS OF REMOVAL.
5. CONTRACTOR IS RESPONSIBLE TO CREATE A SWPPP DOCUMENT FOR THIS PROJECT.

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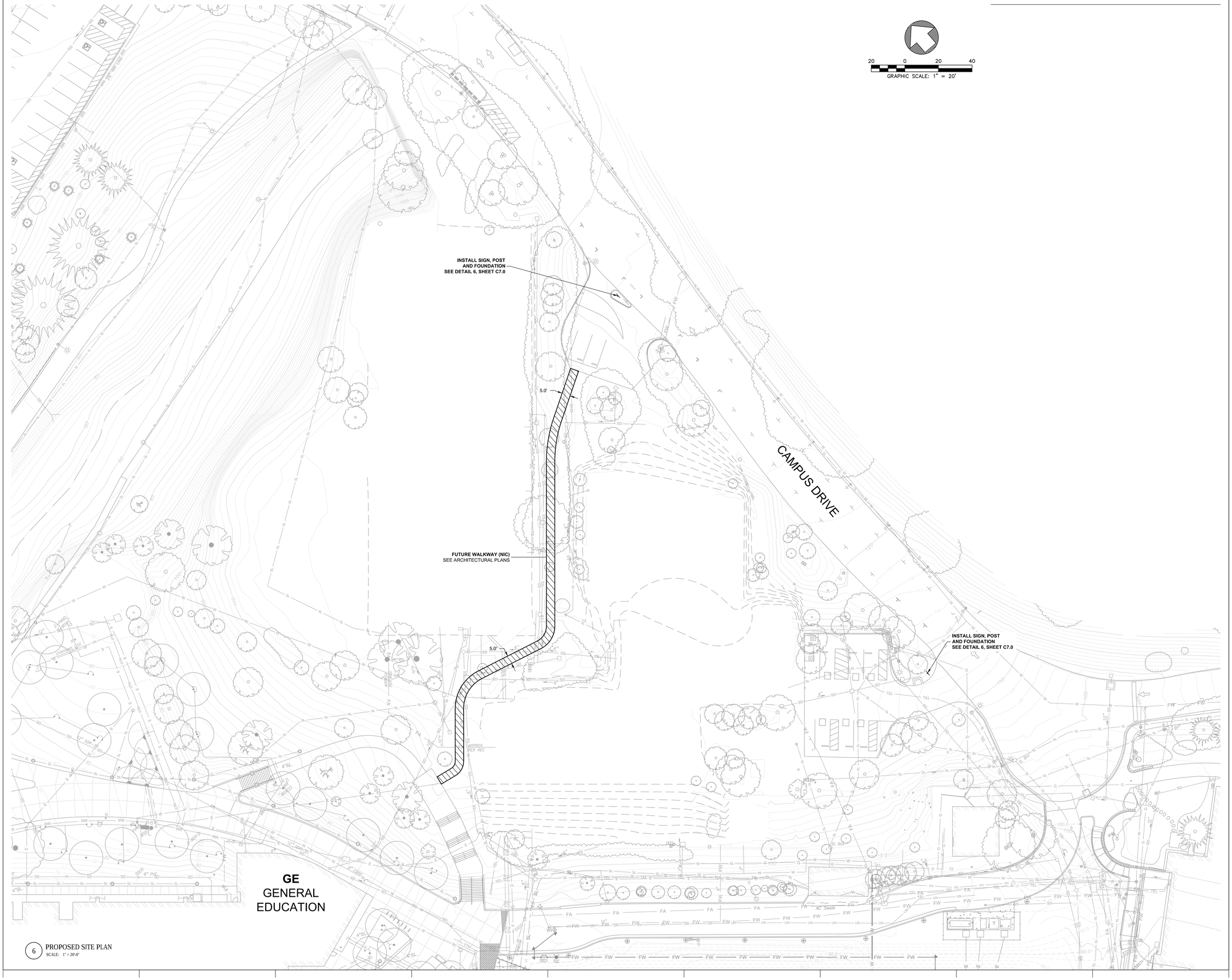
DATE SIGNED: 11/04/2021

SHEET TITLE
PROPOSED EROSION CONTROL PLAN

PROJECT NUMBER
10418.000

INC-3 **C5.00**
SHEET NUMBER



6 PROPOSED SITE PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE: 3" = 1'-0"
GRAPHIC SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALE: 1" = 1'-0"
GRAPHIC SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"
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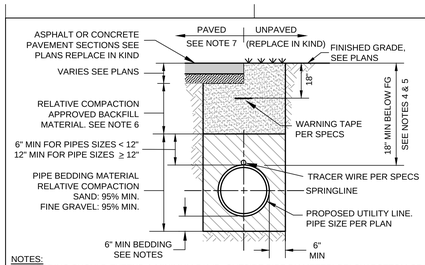
SHEET TITLE

PROPOSED SITE PLAN

PROJECT NUMBER 10418.000

INC-3 **C6.00**

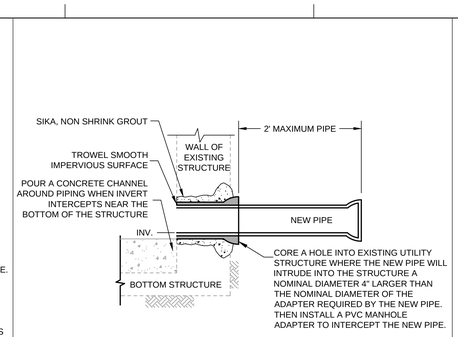
SHEET NUMBER



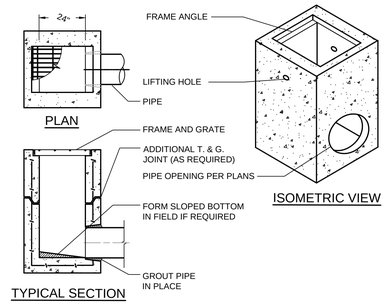
NOTES:

1. BEDDING SHOULD EXTEND A MINIMUM D/4 (D=OUTSIDE PIPE DIAMETER) BELOW BOTTOM OF PIPE.
2. SEE PROJECT SPECIFICATIONS FOR FURTHER UTILITY TRENCH REQUIREMENTS.
3. WHERE TRENCHES EXCEED 5' DEEP, CONTRACTOR TO CONFORM TO CURRENT OSHA REQUIREMENTS FOR SHORING, SLOPING, AND WORKING SAFELY.
4. COVER FOR PAVED AREAS IS DEFINED FROM TOP OF PIPE TO BOTTOM OF AGGREGATE BASE.
5. COVER FOR UNPAVED AREAS IS DEFINED FROM TOP OF PIPE TO TOP OF FINISHED SURFACE.
6. THE RELATIVE COMPACTION FOR APPROVED NATIVE MATERIAL, IMPORTED FILL, AND CALTRANS CLASS II AGGREGATE BASE SHALL BE AS FOLLOW:
   PAVED AREAS: 95% MINIMUM
   NON-PAVED AREAS: 90% MINIMUM
7. ASPHALT PAVEMENT REPAIR SHALL EXTEND 12" ON EITHER SIDE OF THE TRENCH AND SHALL MATCH EXISTING PAVEMENT SECTION OR MIN 4" AC/6"AB. CONCRETE PAVEMENT SECTION SHALL EXTEND TO NEAREST SCORE LINE ON EITHER SIDE OF THE TRENCH AND SHALL MATCH EXISTING PAVEMENT SECTION OR MIN 4" PCC/6"AB WITH #4 BARS @ 18"O.C.E.W. FOR PEDESTRIAN TRAFFIC AREAS & 9" PCC/6" AB WITH #4 BARS @ 12"O.C.E.W. FOR VEHICLE AREAS.

1 UTILITY TRENCH — NOT TO SCALE



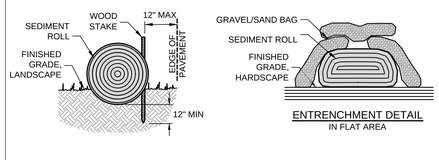
2 CONNECT TO EXISTING STRUCTURE — NOT TO SCALE



NOTES:

1. ALL FRAMES AND GRATES SHALL BE H20 TRAFFIC LOADING RATED. ALL GRATES SHALL HAVE LOCKING DEVICE

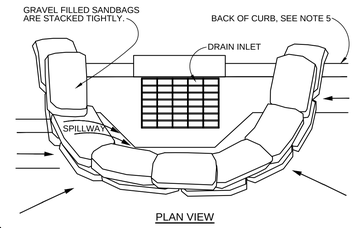
3 STORM DRAIN INLET — NOT TO SCALE



NOTES:

1. FIBER ROLLS ARE TUBES MADE FROM POROUS BIODEGRADABLE FIBER STUFFED IN A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY ARE APPROXIMATELY 8" DIAMETER.
2. FIBER ROLLS SHALL BE SECURED IN PLACE EITHER BY GRAVEL BAGS ON HARDSCAPE OR BY STAKING THE ROLL IN A TRENCH, 2"-4" DEEP, DUG ON CONTOUR IN LANDSCAPE. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. ROLLS SHOULD BE ABUTTED SECURELY TO PROVIDE A TIGHT JOINT, NOT OVERLAPPED.
3. TURN ENDS OF FIBER ROLLS UPSLOPE.
4. SILT BUILD-UP AT THE UPSLOPE SIDE OF FIBER ROLLS SHALL BE REMOVED WHEN THE DEPRESSION BECOMES 50% FULL.
5. ANY PLACE WHERE WATER HAS ERODED UNDER THE FIBER ROLL SHALL BE IMMEDIATELY FILLED AS NECESSARY TO PREVENT RECURRENCE.

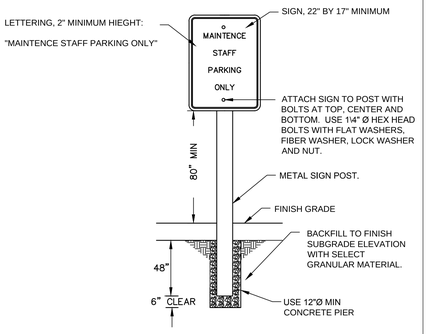
4 FIBER ROLL — NOT TO SCALE



NOTES:

1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN 'GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT IMMEDIATELY BEFORE AND AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
5. FOR INLETS NOT AGAINST A CURB, PLACE GRAVEL FILLED SANDBAGS FULLY SURROUNDING THE INLET, IN SIMILAR PATTERN, LEAVING A SPILLWAY EVERY THIRD BAG.

5 DRAIN INLET SEDIMENT BARRIER



6 MAINTENANCE STAFF ONLY SIGN INSTALLATION — NOT TO SCALE

GRAPHIC SCALE: 3" = 1'-0"
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GRAPHIC SCALE: 1" = 1'-0"
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